

M. Brannock

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/286,166

DATE: 02/10/2000
TIME: 16:29:54

INPUT SET: S34717.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: FOWLKES, Dana M.
BROACH, Jim
MANFREDI, John
KLEIN, Christine
MURPHY, Andrew J.
PAUL, Jeremy
TRUEHEART, Joshua

ENTER

(ii) TITLE OF INVENTION: YEAST CELLS ENGINEERED TO PRODUCE
PHERMONE SYSTEM PROTEIN SURROGATES, AND USES THEREFOR

(iii) NUMBER OF SEQUENCES: 119

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: LAHIVE AND COCKFIELD
(B) STREET: 60 State Street, Suite 510
(C) CITY: Boston
(D) STATE: MA
(E) COUNTRY: USA
(F) ZIP: 02109

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/286,166
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/461,383
(B) FILING DATE: 05-JUN-1995

(A) APPLICATION NUMBER: US 08/322,137
(B) FILING DATE: 13-OCT-1994

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/309,313
(B) FILING DATE: 20-SEP-1994

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/286,166DATE: 02/10/2000
TIME: 16:29:54

INPUT SET: S34717.raw

47
48 (vii) PRIOR APPLICATION DATA:
49 (A) APPLICATION NUMBER: US 08/190,328
50 (B) FILING DATE: 31-JAN-1994
51
52 (vii) PRIOR APPLICATION DATA:
53 (A) APPLICATION NUMBER: US 08/041,431
54 (B) FILING DATE: 31-MAR-1993
55
56 (viii) ATTORNEY/AGENT INFORMATION:
57 (A) NAME: Vincent, Matthew P
58 (B) REGISTRATION NUMBER: 36,709
59 (C) REFERENCE/DOCKET NUMBER: CPI-012CP4B
60
61
62 (ix) TELECOMMUNICATION INFORMATION:
63 (A) TELEPHONE: 617-227-7400
64 (B) TEEFAX: 617-227-5941
65 (C) TELEX: 752806
66
67 (2) INFORMATION FOR SEQ ID NO:1:
68
69
70 (i) SEQUENCE CHARACTERISTICS:
71 (A) LENGTH: 89 amino acids
72 (B) TYPE: amino acid
73 (C) STRANDEDNESS: single
74 (D) TOPOLOGY: linear
75
76 (ii) MOLECULE TYPE: peptide
77
78
79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
80
81 Met Arg Phe Pro Ser Ile Phe Thr Ala Val Leu Phe Ala Ala Ser Ser
82 1 5 10 15
83
84 Ala Leu Ala Ala Pro Val Asn Thr Thr Thr Glu Asp Glu Thr Ala Gln
85 20 25 30
86
87 Ile Pro Ala Glu Ala Val Ile Gly Tyr Leu Asp Leu Glu Gly Asp Phe
88 35 40 45
89
90 Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu
91 50 55 60
92
93 Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
94 65 70 75 80
95
96 Ser Leu Asp Lys Arg Glu Ala Glu Ala
97 85
98
99 (2) INFORMATION FOR SEQ ID NO:2:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/286,166DATE: 02/10/2000
TIME: 16:29:54

INPUT SET: S34717.raw

100
101 (i) SEQUENCE CHARACTERISTICS:
102 (A) LENGTH: 76 amino acids
103 (B) TYPE: amino acid
104 (D) TOPOLOGY: linear
105
106 (ii) MOLECULE TYPE: peptide
107
108
109 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
110
111 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr Lys Arg Glu
112 1 5 10 15
113
114 Ala Glu Ala Glu Ala Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro
115 20 25 30
116
117
118 Met Tyr Lys Arg Glu Ala Asp Ala Glu Ala Trp His Trp Leu Gln Leu
119 35 40 45
120
121 Lys Pro Gly Gln Pro Met Tyr Lys Arg Glu Ala Asp Ala Glu Ala Trp
122 50 55 60
123
124 His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
125 65 70 75
126
127 (2) INFORMATION FOR SEQ ID NO:3:
128
129 (i) SEQUENCE CHARACTERISTICS:
130 (A) LENGTH: 15 base pairs
131 (B) TYPE: nucleic acid
132 (C) STRANDEDNESS: double
133 (D) TOPOLOGY: linear
134
135 (ii) MOLECULE TYPE: synthetic DNA
136
137
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
139
140 AAGCTTAAAA GAATG 15
141
142 (2) INFORMATION FOR SEQ ID NO:4:
143
144 (i) SEQUENCE CHARACTERISTICS:
145 (A) LENGTH: 37 base pairs
146 (B) TYPE: nucleic acid
147 (C) STRANDEDNESS: single
148 (D) TOPOLOGY: linear
149
150 (ii) MOLECULE TYPE: cDNA
151
152

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/286,166DATE: 02/10/2000
TIME: 16:29:55

INPUT SET: S34717.raw

153 (ix) FEATURE:
154 (A) NAME/KEY: CDS
155 (B) LOCATION: 1..24
156
157
158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
159
160 AAA GAA GAA GGG GTA TCT TTG CTT AAGCTCGAGA TCT 37
161 Lys Glu Glu Gly Val Ser Leu Leu
162 1 5
163
164
165 (2) INFORMATION FOR SEQ ID NO:5:
166
167 (i) SEQUENCE CHARACTERISTICS:
168 (A) LENGTH: 8 amino acids
169 (B) TYPE: amino acid
170 (D) TOPOLOGY: linear
171
172 (ii) MOLECULE TYPE: peptide
173
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
175
176 Lys Glu Glu Gly Val Ser Leu Leu
177 1 5
178
179 (2) INFORMATION FOR SEQ ID NO:6:
180
181 (i) SEQUENCE CHARACTERISTICS:
182 (A) LENGTH: 77 base pairs
183 (B) TYPE: nucleic acid
184 (C) STRANDEDNESS: double
185 (D) TOPOLOGY: linear
186
187 (ii) MOLECULE TYPE: synthetic DNA
188
189
190 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
191
192 CGTGAAGCTT AAGCGTGAGG CAGAAGCTNN KNNKNNKNNK NNNKNNKNNK NKNNKNNKNN 60
193
194 KNNKNNKTGA TCATCCG 77
195
196 (2) INFORMATION FOR SEQ ID NO:7:
197
198 (i) SEQUENCE CHARACTERISTICS:
199 (A) LENGTH: 19 amino acids
200 (B) TYPE: amino acid
201 (D) TOPOLOGY: linear
202
203 (ii) MOLECULE TYPE: peptide
204
205

RAW SEQUENCE LISTING
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TIME: 16:29:55

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206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

207

208 Lys Arg Glu Ala Glu Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

209 1 5 10 15

210

211 Xaa Xaa Xaa

212

213

214

215 (2) INFORMATION FOR SEQ ID NO:8:

216

217 (i) SEQUENCE CHARACTERISTICS:

218 (A) LENGTH: 36 amino acids

219 (B) TYPE: amino acid

220 (D) TOPOLOGY: linear

221

222 (ii) MOLECULE TYPE: peptide

223

224

225 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

226

227 Met Gln Pro Ser Thr Ala Thr Ala Ala Pro Lys Glu Lys Thr Ser Ser

228 1 5 10 15

229

230 Glu Lys Lys Asp Asn Tyr Ile Ile Lys Gly Val Phe Trp Asp Pro Ala

231 20 25 30

232

233 Cys Val Ile Ala

234 35

235

236 (2) INFORMATION FOR SEQ ID NO:9:

237

238 (i) SEQUENCE CHARACTERISTICS:

239 (A) LENGTH: 19 base pairs

240 (B) TYPE: nucleic acid

241 (C) STRANDEDNESS: single

242 (D) TOPOLOGY: linear

243

244 (ii) MOLECULE TYPE: synthetic DNA

245

246

247 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

248

249 AAGCTTTTCGA ATAGAAATG

19

250

251 (2) INFORMATION FOR SEQ ID NO:10:

252

253 (i) SEQUENCE CHARACTERISTICS:

254 (A) LENGTH: 36 base pairs

255 (B) TYPE: nucleic acid

256 (C) STRANDEDNESS: double

257 (D) TOPOLOGY: linear

258

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/286,166

DATE: 02/10/2000
TIME: 16:29:55

INPUT SET: S34717.raw

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Original Text